

ABSTRACT OF THE DISCLOSURE

An optical connector comprises a bundle of optical fibers surrounded by an insulating medium which, in turn, is surrounded by a cylindrical conductor with the bundle of optical fibers having one end portion exposed from both the 5 insulating medium and the conductor; two ferrules each including a hollow cylindrical member and a hollow cylinder coupled to the cylindrical member and aligned therewith in an axial direction so that the bundle of optical fibers is adapted to pass both the cylinder and the cylindrical member of one ferrule through that of the other ferrule in a straight line; a sleeve put on a coupling of 10 the ferrules; and an alignment mechanism formed on the cylindrical member of either ferrule for fastening the aligned ferrules. The invention can carry out a minimum signal loss.